CWHW#91: Exploring Quadratics

Geometry

Due: Tuesday, May 23rd

**Complete assignment in notebook. Failure to do so will result in a LaSalle**

1. Graph the function by creating a table of values.
2. Graph the function by creating a table of values.
3. How is the graph of different than the graph of ? Describe at least 3 things you notice about the graphs.

DIRECTIONS:

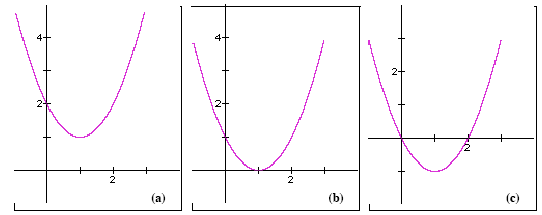
If the problem says Graph:  
A) create a table and graph the following functions.

B) Identify the vertex as an ordered par, (x, y)

C) Identify the axis of symmetry by writing the equation for the line (example, x = 2)

If the problem says Sketch a prediction:  
A) sketch a prediction of the shape of the graph for the given quadratic function on an x-y coordinate plane   
B) Write at least one sentence to explain why you predicted the shape did.

|  |  |
| --- | --- |
| 1. Graph: | 1. Graph: |
| 1. Sketch a prediction: | 1. Sketch a prediction: |
| 1. Graph: | 1. Graph: |
| 1. Sketch a prediction: | 1. Sketch a prediction: |
| 1. Graph: | 1. Graph: |
| 1. Sketch a prediction: | 1. Sketch a prediction: |
| 1. Graph: | 1. Graph: |
| 1. Predict: | 1. Predict: |
| 1. Graph: | 1. Graph: |
| 1. Predict: | 1. Predict: |
| 1. Graph: | 1. Graph: |
| 1. Predict: | 1. Predict: |

**Solutions of Quadratic Functions:**

What do the solutions of a quadratic represent?

**No Solution 1 Solution 2 Solutions**

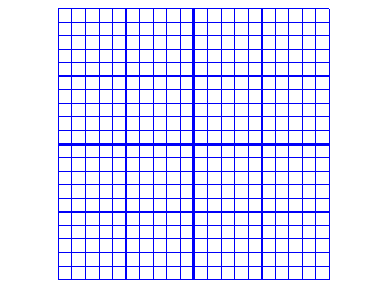
CW#91: Exploring Quadratics

Geometry

EXIT TICKET

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

1. Without a table, graph:

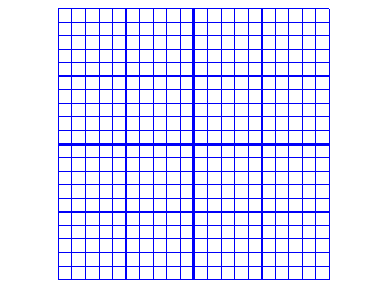


Vertex:

Axis of Symmetry:

Observations:

1. Without a table, graph:



Vertex:

Axis of Symmetry:

Observations:

1. Predict: Explain: